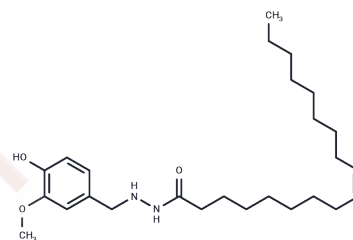


## OMDM-5

## Chemical Properties

CAS No. :	616884-66-3
Formula:	C <sub>26</sub> H <sub>44</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	432.64
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	OMDM-5 is a potent vanilloid receptor type 1 (TRPV1, EC <sub>50</sub> = 75 nM) agonist, showing weak ligand activity at cannabinoid type 1 receptor (CB1, Ki=4.9 μM). OMDM-5 is a selective anandamide cellular uptake (ACU) inhibitor (Ki = 4.8 μM).
Targets(IC50)	Cannabinoid Receptor, Endogenous Metabolite, TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 65 mg/mL (150.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3114 mL	11.557 mL	23.1139 mL
5 mM	0.4623 mL	2.3114 mL	4.6228 mL
10 mM	0.2311 mL	1.1557 mL	2.3114 mL
50 mM	0.0462 mL	0.2311 mL	0.4623 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Ortar G, et al. Novel selective and metabolically stable inhibitors of anandamide cellular uptake. *Biochem Pharmacol.* 2003 May 1;65(9):1473-81.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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